

IN THE CLAIMS

Please amend the following claims:

30 (Twice Amended) A golf ball comprising:

(a) a core; and

(b) a cover formed by casting, wherein said cover being a polyurethane formed without the use of catalysts from the reaction products of:

(1) a diisocyanate [selected from the group consisting of] wherein said diisocyanate is toluene diisocyanate[, 4,4'-diphenylmethane diisocyanate, Isophorone diisocyanate and mixtures thereof];

(2) a polyol wherein said polyol is polytetramethylene glycol; and,

(3) a curing agent [comprising]consisting of:

([a]A) a first diamine dimethylthio-2,4-toluenediamine [having a first diamine reaction rate]; and,

([b]B) a second diamine diethyl-2,4-toluenediamine [having a second diamine reaction rate, wherein said first diamine reaction rate is slower than said second diamine reaction rate at room temperature].

33. (Amended) The golf ball of claim 30 wherein the ratio of said first diamine to said second diamine is [diethyl-2,4-toluenediamine] selected from the group of ratios consisting of 40:60, 50:50, 70:30 and 80:20.

43. (Twice Amended) A golf ball comprising:

Sub D4
a center [having a diameter of about 1.42" and] comprising 100 PPHR cis polybutadiene rubber, 20 PPHR zinc acrylate salt, 24.5 PPHR barium sulfate, 6 PPHR zinc oxide, 3 PPHR zinc stearate and 2.1 PPHR 1,1-di-(tert-butylperoxy)-3,3,5-trimethyl cyclohexane;

C3
a thread layer winding comprised of polyisoprene rubber and having a thread size of 0.017" x 5/64" [so that the thread layer thickness is about 0.08" and the combination of the core and thread windings has a diameter of about 1.58"]; and

a cast cover comprising the reaction product of 100 PPHR of toluene diisocyanate [@6% NCO] when mixed with [and] polytetramethylene ether glycol has a 6% NCO content, 13.2 PPHR of a curative comprising diethyl-2,4-toluenediamine and dimethylthio-2,4-toluenediamine at a 50:50 weight ratio and 2.3 PPHR pigment so that the overall ball diameter is about 1.68"

Sub D5
(ADD)
44. A golf ball comprising:

(a) a core; and
(b) a cover formed by casting, wherein said cover being a polyurethane formed without the use of catalysts from the reaction products of:

(1) a diisocyanate selected from the group consisting of toluene diisocyanate, 4,4'-diphenylmethane diisocyanate, Isophorone diisocyanate and mixtures thereof;

(2) a polyol; and,

(3) a curing agent comprising: